



# BioBUGS

Fat, Oil, Grease + Odour Removal



**Bio-BUGS** is a powerful blend of powdered bio-agent, biodegradable surfactant and effervescent agents combining to efficiently reduce blockages, odour, fat, oil, grease (FOG) and organic materials from drains, sewer systems, grease traps and anywhere else organic material collects to cause issues.

Because of the foaming nature of the product it works effectively to remove all organic material as it sits on top of the water column where the fat, oil and grease dwell.

When you dose **Bio-BUGS** down a drain, sink or grease trap the self-foaming process engages and can increase in size up to 50 times pushing the foam into all crevices.

**Bio-BUGS** also removes organic material to prevent the growing of fruit fly larvae.

**Bio-BUGS** is flexible with its dosing and can be easily transported to areas such as long drops, pits and organic toilets. Being powder it compares 1 kg = 20 litres of liquid making it flexible and convenient to dose areas from fast food outlets to conservation toilets in the middle of nowhere. Liquid dosing is required daily where powdered dosing is weekly.

**Bio-BUGS** contains suspended bacteria and once mixed with water they become activated. Bacteria are enzyme factories which increase and decrease in population size depending on conditions and food.

Enzymes are a catalyst and a chemical which can't multiply, so once they are used in a chemical reaction and attached to the item they are spent.

## FEATURES & BENEFITS

- Self foaming**
- Readily biodegradable**
- Non-corrosive and neutral**
- Safe and positive for septic systems**
- Removes and manages odours**

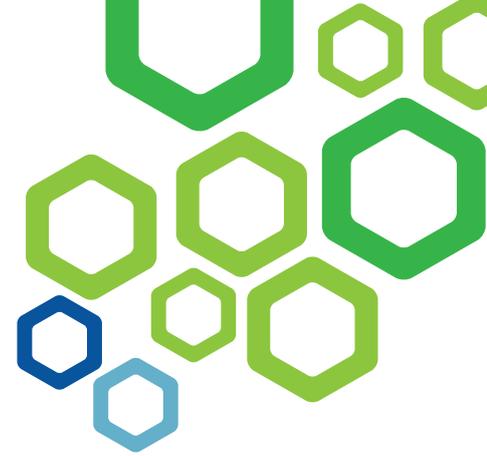
## FRUIT FLIES

Our clients include global fast food restaurants where we manage grease trap levels, health of drains, organic material under benches and fruit fly infestations. Fruit fly breed and live where there is organic material and moisture including drains, grease traps and especially around coffee machines. Our products remove organic material and are simple to use.



# BioRANGE

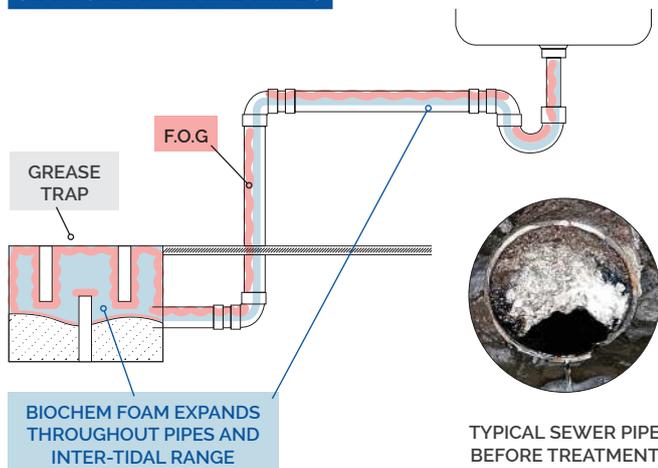
Nature managing Nature



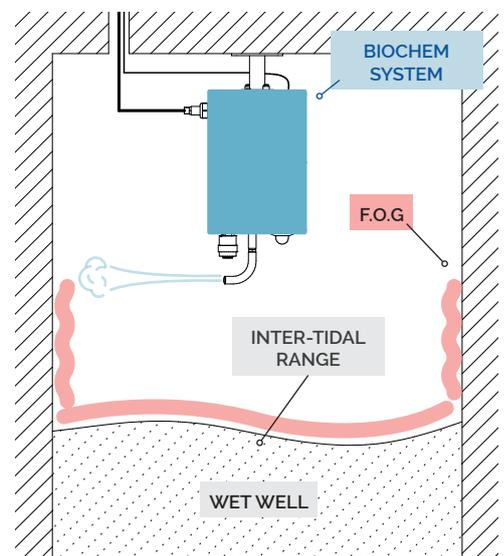
**Biological cleaning – the next generation of cleaning from BioChem Solutions.**

Unlike traditional bacteria based liquids which remain impotent in the water column, our patented foaming system and foaming products allow active constituents to remain in the 'inter-tidal range' where common issues lie.

## SINK & DRAINAGE PIPES



## SEWER WELL + GREASE TRAPS



## HOW IT WORKS & WHY

Liquid bacteria work – just not effectively in the fast flowing water column. Liquid-based bacteria require large concentrations to make a difference and are quickly flushed away down stream requiring constant re-dosing – a costly exercise that's not viable in the practical world. Through the use of an expanding foam, concentrated bacteria and readily biodegradable surfactants, we are able to target the problem areas – the inter-tidal range, walls, equipment and top of pipes.

By elevating the product to these areas of interest, the triglyceride hard fat is converted to a liquid mono or diglyceride fat which is now available to all populations of bacteria in the system, further enabling the effectiveness of the treatment.

\*Approved for importation and exportation in Australia, New Zealand, Fiji, Samoa and The Cook Islands by Bio-Security and other relevant government agencies.

## OUR PRODUCTS

**BioFOG**  
Bio-Agent for Fat, Oil  
+ Grease Removal

**BioFOAM**  
Readily Biodegradable Foam  
for Waster Systems

**BioFOAM+FOG**  
Fat Emulsifier + Odour Suppression Blanket

**BioBUGS**  
Fat, Oil, Grease + Odour Removal

**BioCLEANER**  
Readily Biodegradable Fragranced  
Cleaner + Odour Remover